

Applicant: Peter BOEHLAND
Docket No. R.306284
Preliminary Amdt.

NEW ABSTRACT:

Please replace the original abstract with the following new abstract:

Abstract of the Disclosure

A fuel injection nozzle having first and second nozzle needles controlling first and second injection opening, respectively. A control chamber is connected via a throttle to a pressure chamber in which it is possible to adjust the injection pressure. A first control piston cooperating with the first needle unit includes a first control surface which can be acted on by the control pressure in the control chamber. In the closed position there is an axial play between the first control piston and the first needle unit. A second control piston cooperates with the second needle unit and can be acted on with the control pressure on a second control surface. In the closed position the second control piston rests directly or indirectly against the second nozzle needle. At middle to high pressures in the pressure chamber, both nozzle needles can close quickly. With a rapid pressure increase in the pressure chamber, the second nozzle needle can open quickly and the two nozzle needles can close quickly. With a relatively low to middle speed pressure increase in the pressure chamber, the second nozzle needle does not open or only opens at a higher pressure.